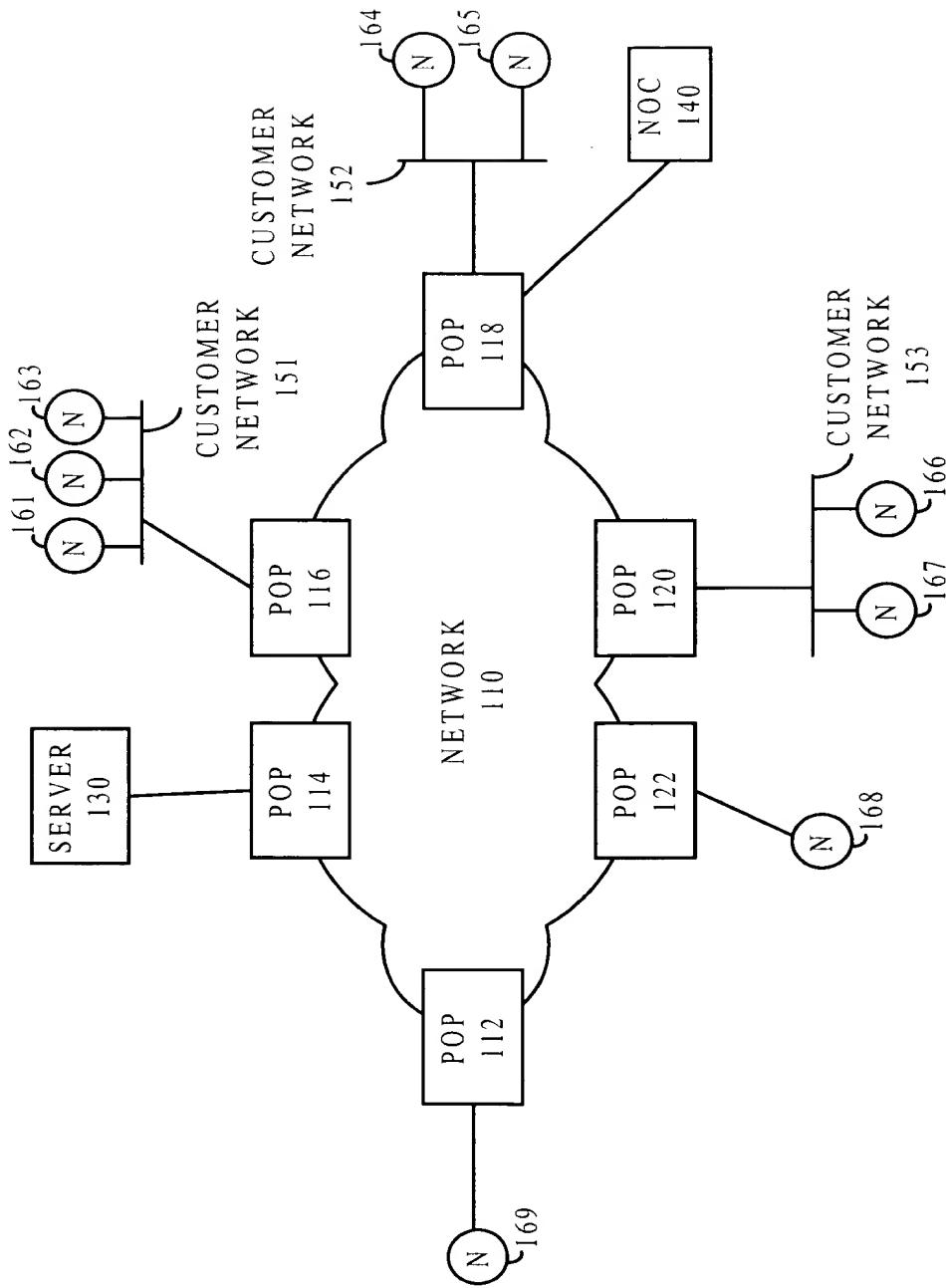
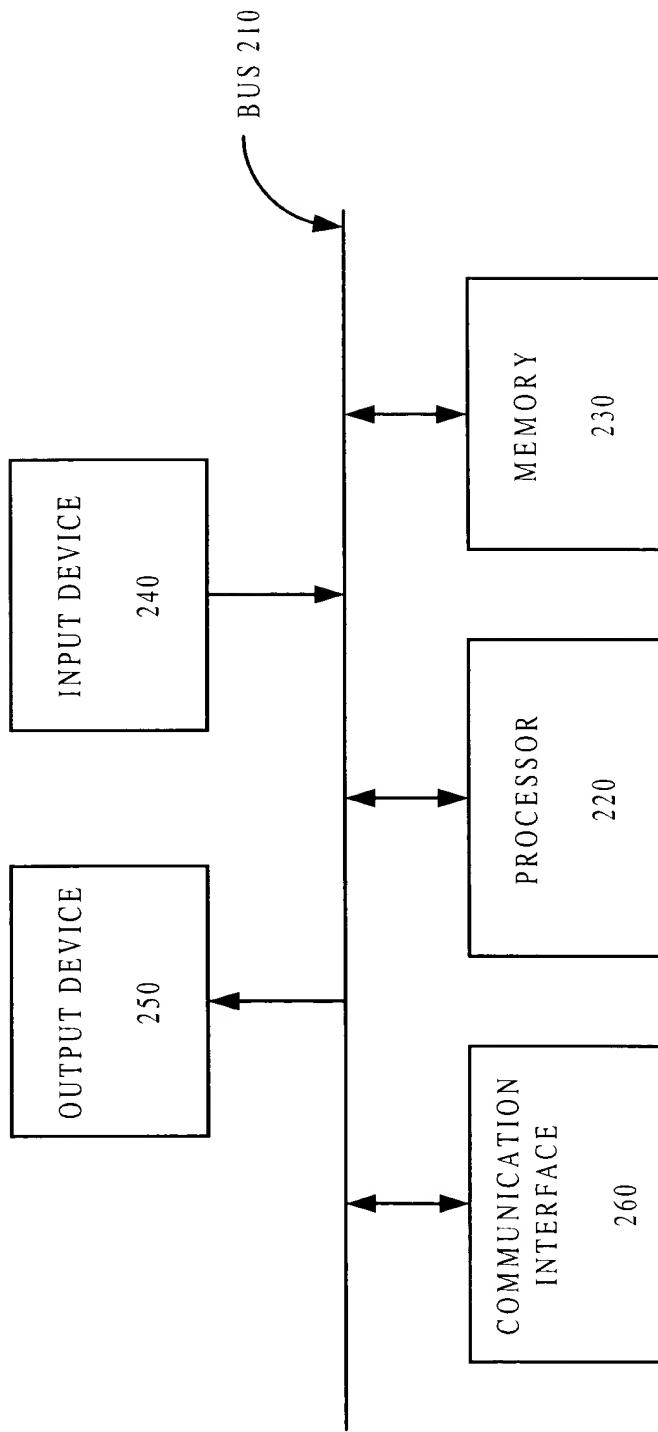


**FIG. 1**



100



**FIG. 2**

310

305

ALARM TYPE	NUMBER	STATE	ACTION	TIME	DATE	NE ID	ALARM DESCRIPTION
311	312	313	314	315	316	317	318
FIRE	5	E		18:34:22	11/02/99	ABCDEFG03H	ALARM DESCRIPTION
LINE	1	E		18:34:24	11/02/99	ABCDEFG03H	ALARM DESCRIPTION
LINE	1	AE		18:34:28	11/02/99	ABCDEFG03H	ALARM DESCRIPTION
PORT	1	E		18:34:28	11/02/99	ABCDEFG03H	ALARM DESCRIPTION
LINE	2	A	PA	18:34:29	11/02/99	ABCDEFG03H	ALARM DESCRIPTION
PORT	1	E		18:34:29	11/02/99	ABCDEFG03H	ALARM DESCRIPTION

**FIG. 3A**

NE	ID	ALARMS			TT	HA	NOTES	IN	USERS	EA	LAST MODIFIED
		C	MA	MI	TOTAL						
FR SWITCH	ABCDEFG03H	32	35	54	9	130	20	14	2		11/02/1999 11:38:34
ATM SWITCH	ABCDEFG04H	21	98	20	10	149	21	3	2	1	11/02/1999 11:39:42
IP ROUTER	ABCDEFG05H	0	0	0	95	95	25	4	1		11/02/1999 11:38:34
FR SWITCH	ABCDEFG06H	0	0	0	87	87			1		11/02/1999 11:38:34
ATM SWITCH	ABCDEFG07H	0	0	0	64	64	2		1		11/02/1999 11:38:34
ATM SWITCH	ABCDEFG08H	0	20	0	0	20			1		11/02/1999 11:37:51

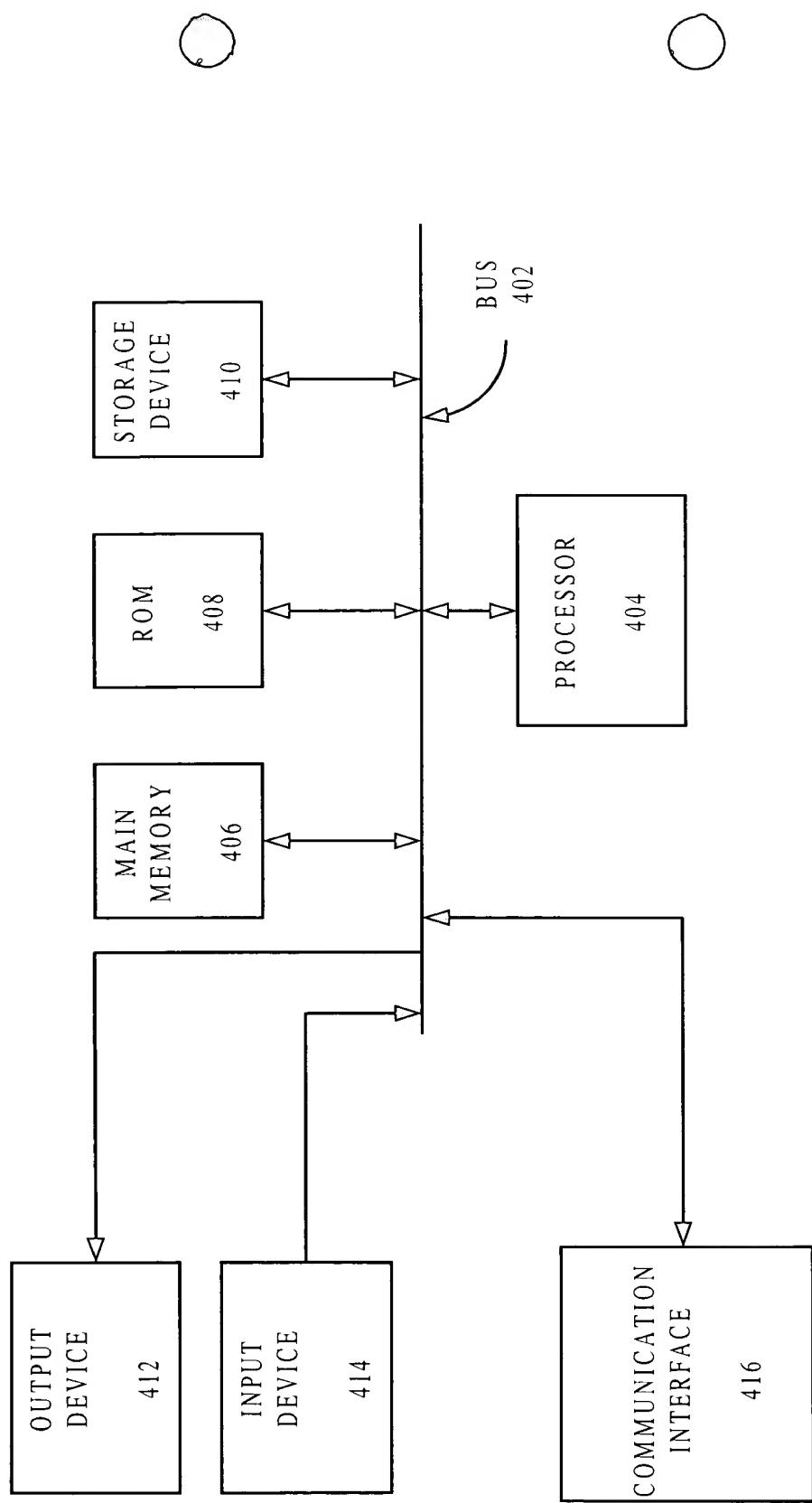


FIG. 4

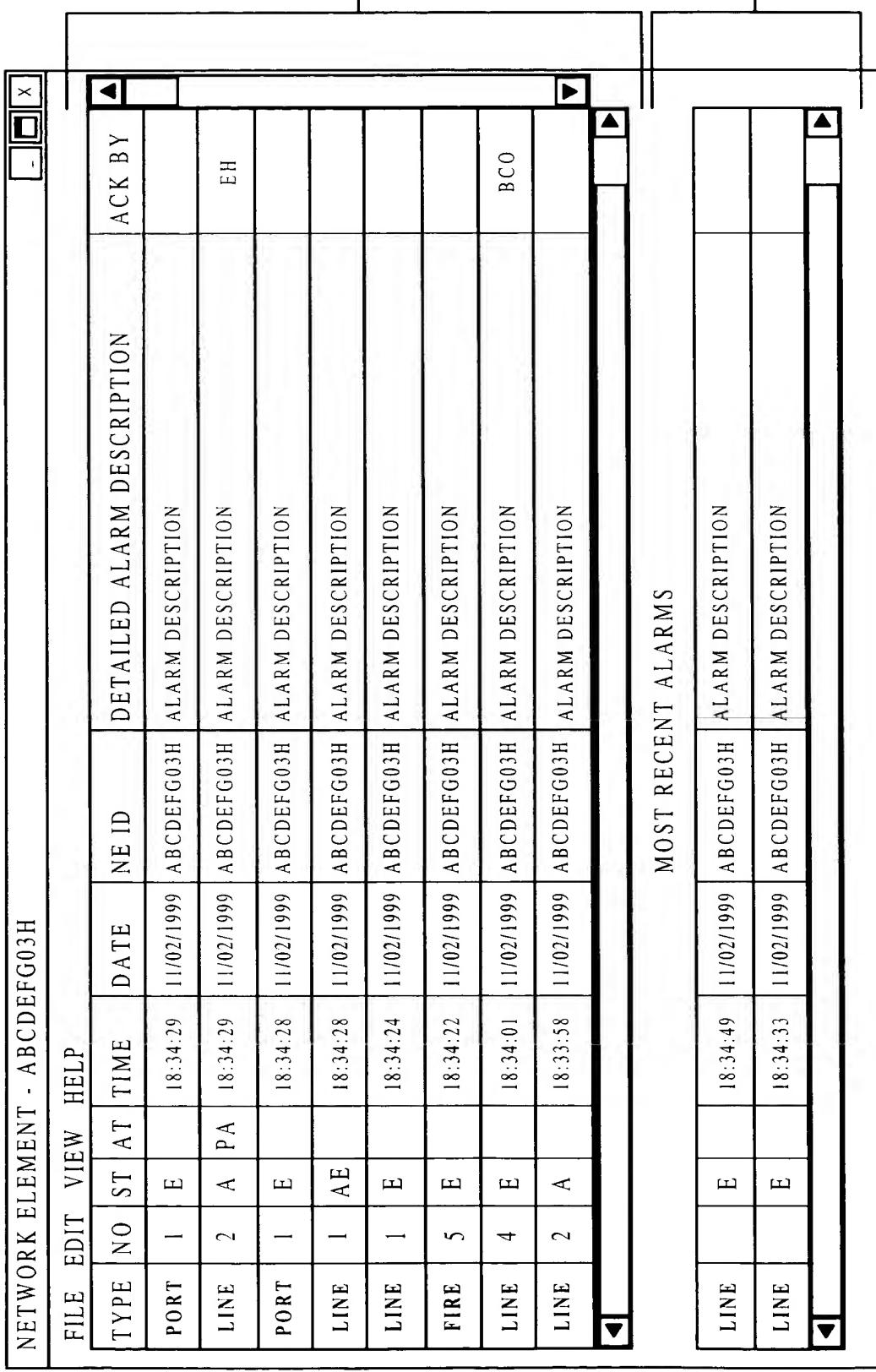


FIG. 5

X    -

▲  ▼

TROUBLE INFORMATION MATRIX																	
		FILE			EDIT			VIEW			HELP						
NE	ID	ALARMS			INFO			TOTAL			TICKETS	HELD ALARMS	NOTES	IN	US	EA	LAST MODIFIED
		CR	MAJ	MIN	INFO	INFO	INFO	TOTAL	TOTAL	TOTAL							
ATM	ABCDEFG04H	21	98	20	10	149	149	21	3	2	1	4	2	11:39:42 EST	11:02/1999		
FR	ABCDEFG03H	32	35	54	9	130	130	20	14	14	2	2	2	11:38:34 EST	11:02/1999		
IP	ABCDEFG05H	0	0	95	95	95	95	25	4	4	1	1	1	11:02/1999	11:38:34 EST		
FR	ABCDEFG06H	0	0	87	87	87	87				1	1	1	11:02/1999	11:38:34 EST		
ATM	ABCDEFG07H	0	0	64	64	64	64				1	1	1	11:02/1999	11:38:34 EST		
ATM	ABCDEFG08H	0	20	0	0	20	20	2	1	1	1	1	1	11:02/1999	11:37:51 EST		
ATM	ABCDEFG09H	0	20	0	0	20	20	4			1	1	1	11:02/1999	11:41:21 EST		
IP	ABCDEFG10H	0	0	4	4	4	4				1	1	1	11:02/1999	11:38:45 EST		
IP	ABCDEFG11H	0	0	0	3	3	3	1			1	1	1	11:02/1999	11:37:48 EST		
ATM	ABCDEFG12H	0	0	0	1	1	1		1	1	1	1	1	11:02/1999	11:38:24 EST		

FIG. 6

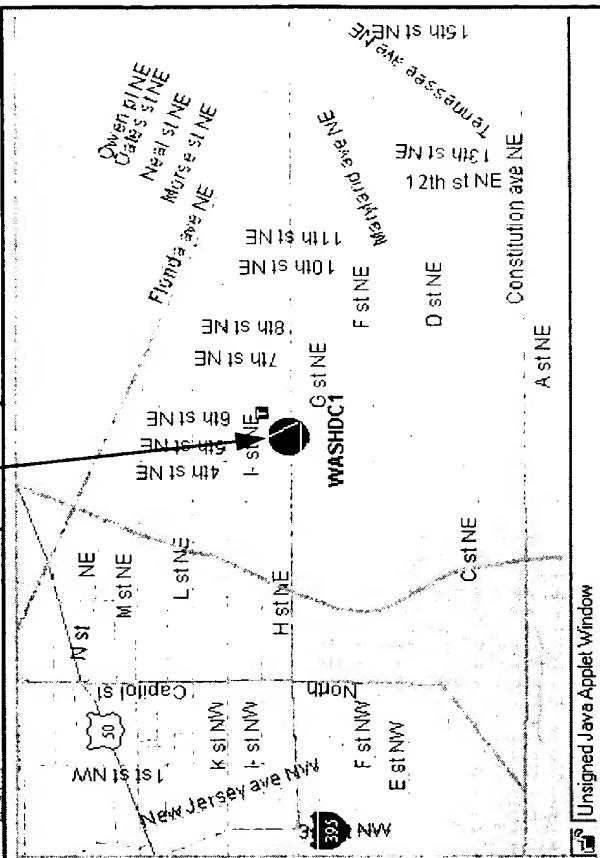
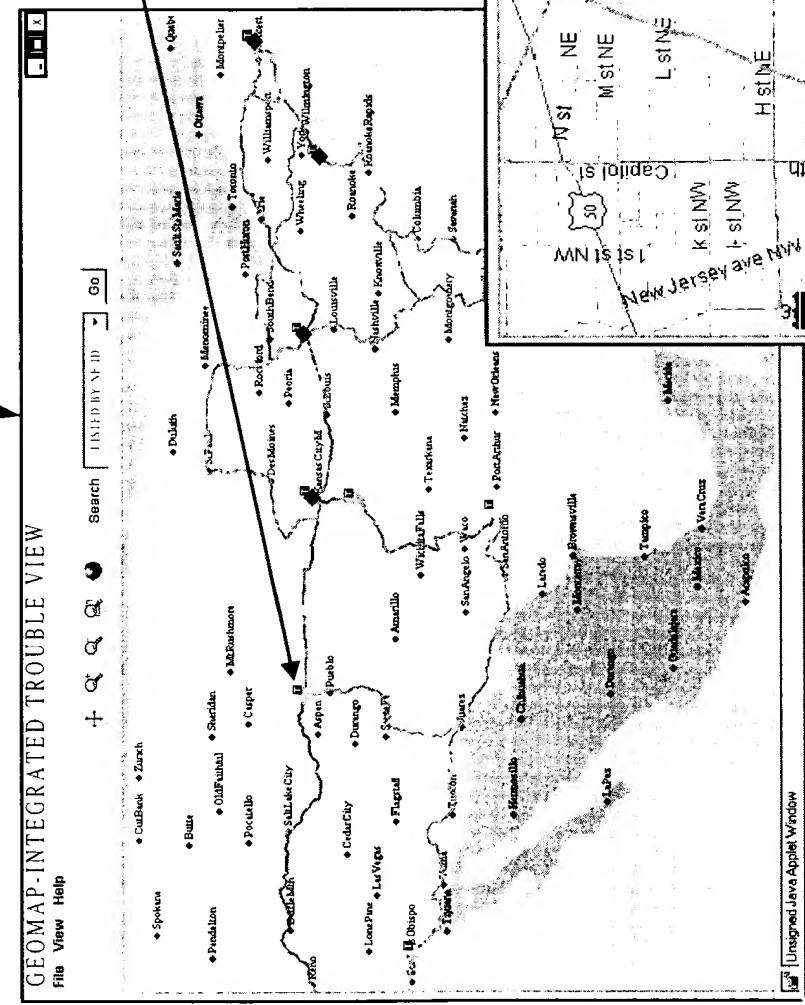
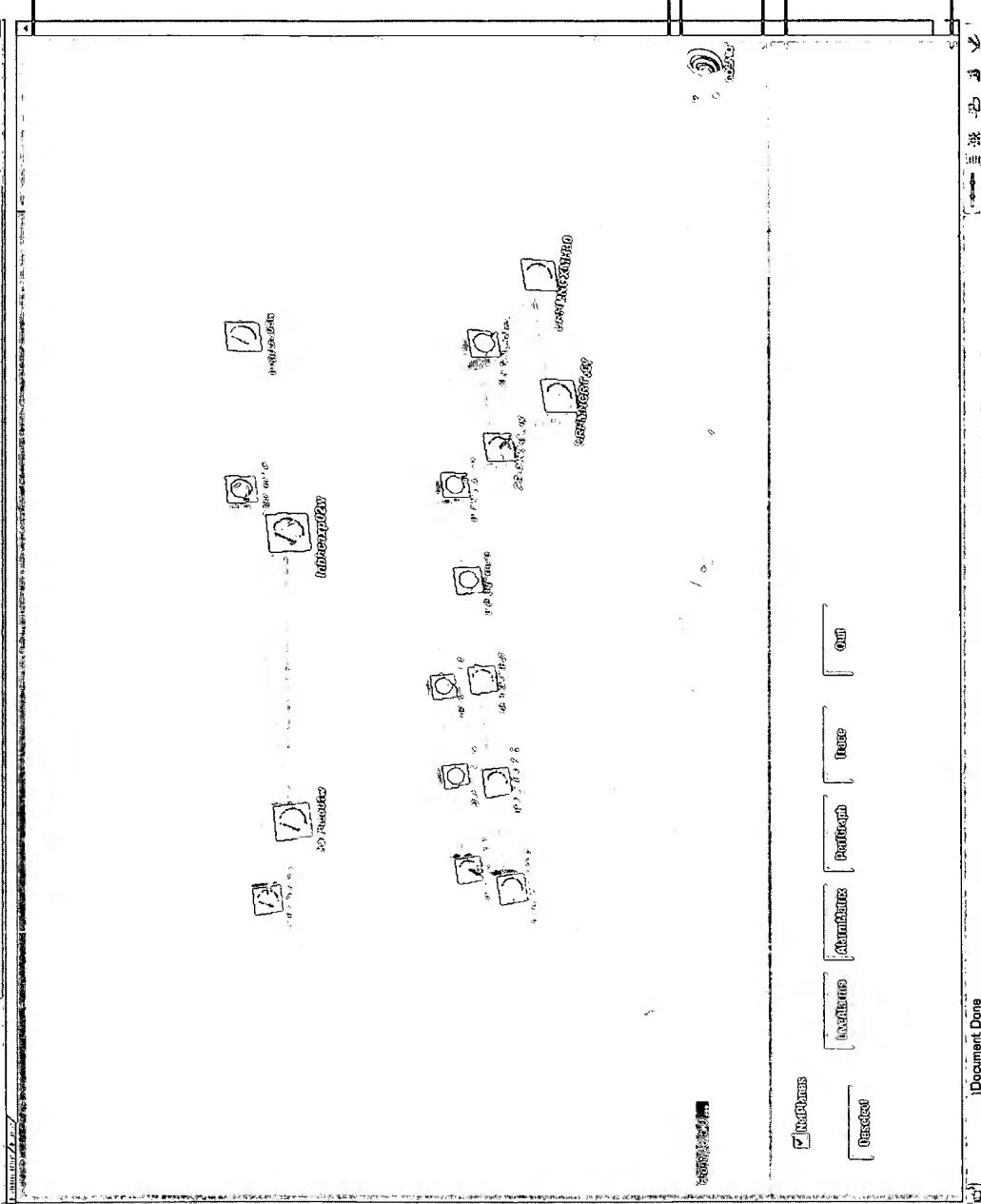


FIG. 7

### 3D NETWORK TOPOLOGY MANAGEMENT

File Edit View Go Communicator Help

Bookmarks Location http://localhost/resource/html/NE.html



800

800

810

810

820

820

830

830

FIG. 8

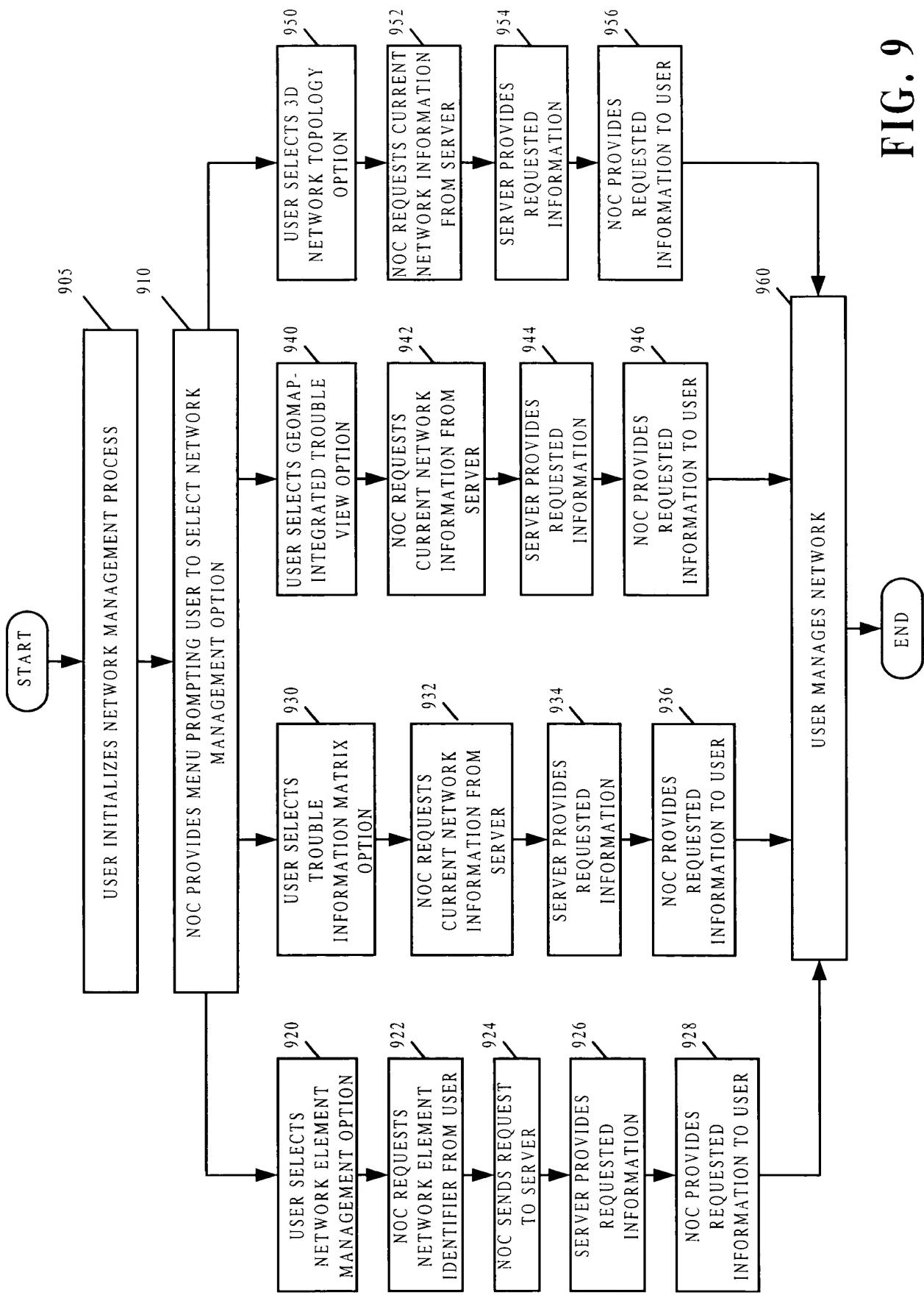


FIG. 9

1000

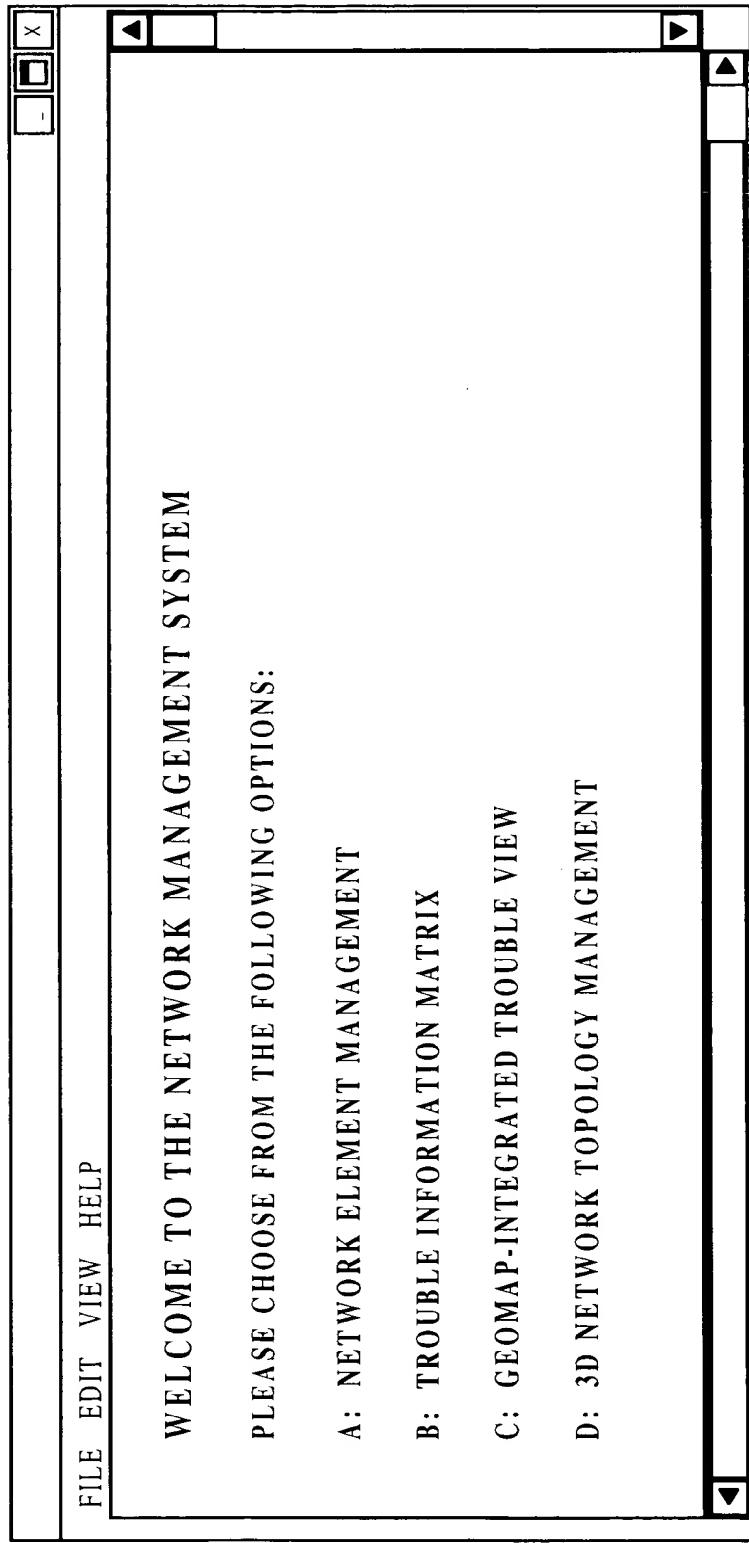


FIG. 10